

WHAT IS CLAIMED IS:

1. An electrical connector for establishing electrical connection between a conductive portion of an LCD display and conductive elements of a printed circuit board, comprising:

5 a substantially planar integrally formed connector housing supportable on said printed circuit board, said housing having an upper surface, a lower surface and a peripheral wall; and

10 a plurality of electrical contacts supported by said housing wherein each contact includes an interior contact extent having a deflectable spring-like portion defined thereat, said interior contact extent provided for electrical engagement with said LCD conductive portion and an exterior contact extent for termination to said printed circuit board, and a mid-section extent between said interior contact extent and said exterior contact extent, said mid-section contact extent being secured to said housing allowing free connection of said exterior contact extent to said printed circuit board and deflectable connection of said interior contact extent to said LCD conductive portions.

15 2. A connector according to claim 1, wherein said lower surface further comprises at least one securement member depending normally therefrom for engagement with a support surface for said connector.

3. A connector according to claim 1, wherein each said interior contact extent comprises a reversely bent deflectable spring-like portion terminating in a free end having an undulating contact portion.

4. A connector according to claim 1, wherein each said interior contact extent comprises a cantilevered deflectable spring-like portion terminating in a free end having an undulating contact portion.

5. A connector according to claim 1, wherein each said interior contact extent comprises a reversely bent deflectable spring-like portion terminating in a free end and having an undulating contact portion spaced from said free end.

6. A connector according to claim 1, wherein each said interior contact portion extent comprises a reversely bent portion defining a looped extent and terminating in a free end movably disposed within said housing and an undulating contact portion adjacent said free end.

7. A connector according to claim 1, wherein a portion of said spring-like portion of each contact and a portion of each exterior contact extent lies in a common plane, said mid-sections of each contact being elevatedly offset with respect to said plane.

8. A connector according to claim 1, wherein at least said exterior contact extent and said mid-sections of said contacts are not in the same plane.

9. A connector according to claim 1, wherein said housing is secured to said contact mid-sections by insert-molding.

10. A connector according to claim 1, wherein said housing is secured to said contact mid-sections by press fitting.

11. A connector according to claim 10, wherein said mid-sections of said contacts comprise outwardly projecting barbs.

12. A connector according to claim 1, wherein said mid-sections of said contacts each have an opening through which housing material flows for securement of said housing with said contacts.

13. A connector according to claim 1, wherein said mid-sections of said contacts each comprise bendable tines for engageable securement with said housing.

14. A connector according to claim 1, wherein said housing comprises a substantially flexible planar portion disposed adjacent to said spring-like contact portions.

15. A connector according to claim 15, wherein said housing flexible planar portions is of extent to project outwardly beyond the interior contact extents.

16. A connector according to claim 15, wherein said housing has a plurality of recesses formed therein, said recesses respectively accommodating therein said mid-sections of said contacts for securement thereto.

17. A connector according to claim 16, wherein said mid-sections comprise outwardly projecting barbs for press-fit securement to said housing within said recesses.

18. A connector according to claim 2, wherein said housing further comprises a plurality of posts depending therefrom and spaced from each other.

19. A connector according to claim 18, wherein said posts are spaced substantially linearly with respect to each other.

20. A connector according to claim 1, wherein said housing is formed of moldable plastic.